| <br> | <sup>r</sup> Claims |  |
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| Application/Control No |
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ONNO ET AL.

Examiner

Art Unit

Applicant(s)/Patent under Reexamination

Fikremariam Yalew

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| <b>√</b> | Rejected |
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(Through numeral)
Cancelled

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| ı | Interference |
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| Cla      | im       | ×                | ,            | Date    |         |          |          |   |  |        |          | Date Claim Date |          |          |          |          |          |          |          |          |           |          | CI       | aim        | Date     |          |          |          |   |          |          |          |   |  |
|----------|----------|------------------|--------------|---------|---------|----------|----------|---|--|--------|----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|------------|----------|----------|----------|----------|---|----------|----------|----------|---|--|
| Final    | Original | 110810           | ,            |         |         |          |          |   |  |        |          | Final           | Original |          |          |          |          |          |          |          |           |          | Final    | Original   |          |          |          |          |   |          |          |          |   |  |
|          | 1        |                  | 扌            | ╅       | †       | 7        | $\neg$   |   |  | $\neg$ | $\neg$   |                 | 51       |          |          | $\neg$   | $\neg$   |          | $\neg$   | T        |           |          |          | 101        |          |          |          |          |   |          |          |          | _ |  |
|          | 2        | 7                | T            | T       | T       | T        |          | - |  |        |          |                 | 52       |          |          |          |          |          |          |          |           |          |          | 102        |          |          |          |          |   |          |          | $\Box$   |   |  |
|          | 3        | 7                |              |         | T       |          |          |   |  |        |          |                 | 53       |          |          |          |          |          |          |          |           |          |          | 103        |          |          |          |          | _ |          | _        | $\dashv$ |   |  |
|          | 4        | ~                | 1            | $\perp$ |         |          |          |   |  |        |          |                 | 54       |          |          |          |          |          |          | _        |           |          | <u></u>  | 104        | $\sqcup$ | _        |          |          |   | $\dashv$ | _        | _        |   |  |
|          | 5        | =                | -            | $\perp$ | 1       | _        |          |   |  | _      |          | <u></u>         | 55       |          |          |          | _        |          | _        | _        |           |          | <u> </u> | 105        | $\sqcup$ | _        | _        |          | _ | $\dashv$ | 4        | $\dashv$ |   |  |
|          | 6        | ×                | 1            | $\perp$ | 1       | _        |          |   |  | _      | _        | <u> </u>        | 56       | Ш        |          | -:-      |          |          | _        | _        | _         |          |          | 106        | $\vdash$ | $\dashv$ |          | _        |   | -        | -        | 4        | _ |  |
|          | 7        | 14               | ╀            | ╀       | 4       | 4        | _        | _ | $\Box$   | _      | _        | <u> </u>        | 57       |          |          | $\vdash$ | _        | _        | $\dashv$ |          |           | $\dashv$ |          | 107<br>108 | $\vdash$ |          |          |          | _ | -        |          | $\dashv$ |   |  |
| <u> </u> | 8        | ₩                | ╀            | +       | +       | 4        | -        |   | Н  |        |          | -               | 58<br>59 | Н        |          | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | -         | +        |          | 108        | $\vdash$ | -        | $\dashv$ | $\dashv$ |   |          |          | $\dashv$ |   |  |
| <u> </u> | 9<br>10  | #                | +            | ╬       | +       | $\dashv$ | -        |   |  |        |          |                 | 60       | H        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | -        | 110        |          | $\dashv$ | $\dashv$ | -        |   | -        | -+       | $\dashv$ |   |  |
| -        | 11       | ₩                | ╁            | +       | +       | ┥        | -        | _ | Н  | -1     | $\dashv$ |                 | 61       | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$  | $\dashv$ | -        | 111        |          | -        | -        |          |   | _        | $\dashv$ | 十        |   |  |
| -        | 12       | H                | +            | +       | ╁       | +        | $\dashv$ |   |  | -      | -        |                 | 62       | $\vdash$ | $\dashv$ | $\dashv$ | 一        | $\dashv$ | -        | 一        | $\neg$    | $\dashv$ | -        | 112        | $\vdash$ | -        |          | $\neg$   |   |          | _        |          |   |  |
|          | 13       | H                | $^{+}$       | +       | ╅       | 7        | $\dashv$ |   | $\vdash$   |        | _        | _               | 63       |          |          | $\neg$   | $\neg$   | $\neg$   |          | _        | $\neg$    | $\dashv$ |          | 113        | $\Box$   |          |          |          |   |          | _        | 一        | _ |  |
|          | 14       | $\dagger\dagger$ | t            | +       | +       | 7        |          |   |  |        | $\dashv$ |                 | 64       |          |          |          | $\dashv$ | 一        |          |          |           |          |          | 114        | $\Box$   | T        |          |          |   |          | 寸        | ヿ        | _ |  |
|          | 15       | Ħ                | t            | ╅       | +       | ┪        | $\neg$   |   |  | $\neg$ |          |                 | 65       |          |          |          |          |          |          | 一        |           | $\Box$   |          | 115        |          | 寸        |          |          |   |          |          | T        |   |  |
|          | 16       | Ħ                | Ť            | $\top$  | $\top$  | 7        |          |   |  |        | $\neg$   |                 | 66       |          |          |          |          |          |          | 一        |           |          |          | 116        |          |          |          |          |   |          |          |          |   |  |
|          | 17       | Ħ                | T            |         |         | 1        |          |   |  |        |          |                 | 67       |          |          |          |          |          |          |          |           |          |          | 117        |          |          |          |          |   |          |          | $\Box$   |   |  |
|          | 18       | П                | Τ            |         | Ι       |          |          |   |  |        |          |                 | 68       |          |          |          |          |          |          |          |           |          |          | 118        |          |          |          |          |   |          |          | _        |   |  |
|          | 19       | $\Pi$            |              |         | Ι       |          |          |   |  |        |          |                 | 69       |          | ,        |          |          |          |          |          |           | Ш        |          | 119        | Ш.       | _        |          |          |   |          | _        |          |   |  |
|          | 20       |                  |              |         |         |          |          |   | L  | _      |          | <u></u>         | 70       |          |          |          |          | _        |          | _        | _         | Щ        |          | 120        | <u> </u> | _        |          |          |   |          | _        |          |   |  |
|          | 21       | V                | 1            | $\perp$ | $\perp$ | $\dashv$ |          |   |  |        |          |                 | 71       | L        |          | _        |          | _        | _        | _        | _         | Щ        |          | 121        | Ц.       | _        |          |          |   | _        | _        |          |   |  |
|          | 22       | -                | ⇃            | ┷       | 1       | 4        |          |   | L  | _      |          |                 | 72       | <b> </b> | _        |          | $\dashv$ | _        | _        | _        |           |          |          | 122        | H        | _        | $\dashv$ |          |   |          |          | $\dashv$ | _ |  |
| ļ. —     | 23       | <u> </u>         | 7            | +       | 4       | $\dashv$ | _        |   | _  |        |          | -               | 73       |          | Н        |          | -        | _        | _        |          | -         | Н.       |          | 123<br>124 | $\vdash$ | -        | -        |          |   |          |          | $\dashv$ |   |  |
| -        | 24       |                  | #            | +       | +       | $\dashv$ | _        |   | _  | -      |          | -               | 74<br>75 | -        |          |          | -        |          |          | $\dashv$ | $\dashv$  | $\dashv$ | -        | 125        | $\vdash$ | $\dashv$ |          | _        |   |          | -        | $\dashv$ |   |  |
| <u> </u> | 25<br>26 | Н                | +            | +       | +       | $\dashv$ |          | - | $\vdash$   | -      |          |                 | 76       | $\vdash$ | Н        |          |          | -        | $\dashv$ | -        |           | $\dashv$ | $\vdash$ | 126        |          | -        | -        | _        | _ |          |          | 一        |   |  |
| -        | 27       | 十                | ₩            | ┽       | +       | ┪        | -        | - | $\vdash$   | -      | $\dashv$ | -               | 77       | ├─       | Н        | $\dashv$ |          | _        |          | -        | _         | $\dashv$ | -        | 127        | $\vdash$ | ┪        |          |          | _ |          | _        | $\dashv$ | _ |  |
| -        | 28       | +                | / -          | +       | +       | $\dashv$ | $\dashv$ | _ | $\vdash$   | $\neg$ | $\dashv$ | $\vdash$        | 78       | ┢        | $\vdash$ | -        |          | _        |          | $\dashv$ | $\exists$ |          |          | 128        | $\Box$   | ┪        |          |          |   |          | 7        | _†       | _ |  |
| -        | 29       | Н                | +            | +-      | +       | 7        |          | - | _  | _      |          |                 | 79       | -        |          | $\neg$   |          |          |          | _        |           | П        |          | 129        |          | 寸        |          |          |   |          |          | ヿ        | _ |  |
| -        | 30       | Н                | $^{\dagger}$ | ╅       | +       | ┪        |          |   |  |        | $\neg$   | -               | 80       | _        |          |          |          |          |          |          |           |          |          | 130        |          |          |          |          |   |          |          | ヿ        |   |  |
| -        | 31       | Ħ                | $^{\dagger}$ | +       | +       |          |          |   | $\vdash$   |        |          |                 | 81       | 1        |          |          |          |          |          |          |           |          |          | 131        |          |          |          |          |   |          | $\neg$   |          |   |  |
|          | 32       | П                | T            | 1       |         |          |          |   |  |        |          |                 | 82       |          |          |          |          |          |          |          |           |          |          | 132        |          |          |          |          |   |          |          |          |   |  |
|          | 33       | П                | 1            |         | T       |          |          |   |  |        |          |                 | 83       |          |          |          |          |          |          |          |           |          |          | 133        |          |          |          |          |   |          |          | _        |   |  |
|          | 34       | Ľ                | Ι            |         |         |          |          |   |  |        |          |                 | 84       | _        | _        |          |          |          |          |          |           |          | L        | 134        | $\sqcup$ | _        |          |          |   |          |          | _        |   |  |
|          | 35       | V                | 4            |         |         |          |          |   |  |        |          | <u> </u>        | 85       | <u> </u> |          |          |          |          |          |          |           | Ш        | <u> </u> | 135        | <b> </b> | _        |          |          |   | $\dashv$ | _        | _        |   |  |
| <u></u>  | 36       | L                | $\downarrow$ | _       | _       | _        |          |   | _  |        |          |                 | 86       | <u> </u> |          |          |          |          |          |          |           |          | -        | 136        | $\vdash$ |          | _        |          |   | -        |          | $\dashv$ |   |  |
|          | 37       | ↓_               | 4            | _       | 4       | 4        |          | _ | <u> </u>   |        | _        | ļ               | 87       | _        |          | $\vdash$ |          |          |          | _        |           | $\vdash$ | <b></b>  | 137        | H        | 4        | -        |          |   | $\dashv$ | -        | $\dashv$ |   |  |
| ļ        | 38       | ╀                | +            | +       | +       | 4        |          |   | _  |        | 4        | -               | 88<br>89 | $\vdash$ | Н        | -        |          | _        |          | $\dashv$ |           | H        | -        | 138<br>139 | H        | $\dashv$ |          |          |   | -        | -        | $\dashv$ |   |  |
| }—       | 39       | ╀                | +            | +       | +       | $\dashv$ | _        | - | -  |        | $\vdash$ | -               |          | -        | -        | $\vdash$ |          | -        | _        |          | _         | -        | -        | 140        | H        | ┥        | -        |          |   | -        | $\dashv$ | $\dashv$ |   |  |
|          | 40       | ╀                | +            | +       | +       | $\dashv$ |          | - | ├-   |        | $\dashv$ | -               | 90       |          |          | $\vdash$ |          |          |          | -        |           | -        | -        | 141        | $\vdash$ | $\dashv$ | _        |          |   |          | -        | -        |   |  |
| $\vdash$ | 41       | ╁                | +            | +       | ,       | -        |          | - | $\vdash$   |        |          | -               | 92       | $\vdash$ |          | -        |          | -        |          |          |           | $\vdash$ |          | 142        | H        | $\dashv$ |          | _        |   | $\vdash$ | $\dashv$ | $\dashv$ |   |  |
| -        | 43       | ╁                | +            | ╁       | +       | +        | _        |   | $\vdash$   | -      | $\dashv$ | _               | 93       | $\vdash$ | $\vdash$ | H        | $\dashv$ | -        |          | $\dashv$ |           | $\vdash$ | <u> </u> | 143        | $\vdash$ | -        |          |          |   | H        | $\dashv$ | $\dashv$ |   |  |
| <b>-</b> | 44       | +                | +            | +       | +       | $\dashv$ | _        | - |  | -      | $\vdash$ |                 | 94       | T        | Н        | $\vdash$ |          |          |          | $\dashv$ |           | $\Box$   |          | 144        | $\vdash$ | $\dashv$ |          | _        | _ |          | $\neg$   | -        | _ |  |
| -        | 45       | t                | +            | +       | +       | 7        |          | _ | <del>                                     </del> |        | $\dashv$ |                 | 95       | T        |          | П        |          |          |          |          |           |          |          | 145        | $\Box$   | 寸        |          |          |   |          |          |          | _ |  |
|          | 46       | †                | +            | +       | +       | -1       |          | Т | T  |        | $\dashv$ |                 | 96       | Г        | $\Box$   | М        |          |          |          |          |           |          |          | 146        |          |          |          |          |   |          |          |          |   |  |
|          | 47       | 1                | +            | _       | $\top$  | ┪        |          | Т | 1  |        |          |                 | 97       |          |          |          |          |          |          |          |           |          |          | 147        |          |          |          |          |   |          |          |          |   |  |
|          | 48       | Ī                | 丁            | 士       | I       | ╛        |          |   |  |        |          |                 | 98       |          |          |          |          |          |          |          |           |          |          | 148        | $\Box$   | $\Box$   |          |          |   |          |          |          |   |  |
|          | 49       | I                | Ι            | $\perp$ | Ι       |          |          |   |  |        |          |                 | 99       |          |          |          |          |          |          |          |           | Щ        |          | 149        | $\sqcup$ | _        | Ш        | _        |   | Ш        | _        | $\Box$   |   |  |
|          | 50       |                  |              |         | $\perp$ | $\Box$   |          | L |  |        |          | L               | 100      |          |          |          |          |          |          | Ш        |           |          |          | 150        |          |          |          |          |   | Ш        |          | $\Box$   |   |  |
|          |          |                  |              |         |         |          |          |   |  |        | _        |                 |          |          |          |          |          |          |          |          |           |          |          |            |          |          |          |          |   |          |          |          |   |  |